

Latex related

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1. MiKTeX

MiKTeX is a modern TeX distribution for Windows, Linux and macOS.

[Official site](#)

Install portable version

Portable Edition

The portable edition allows you to run MiKTeX from a portable storage device:

- you carry MiKTeX on a portable storage device for use on any Windows computer
- configuration settings are stored on the portable storage device and not in the Windows Registry of the host computer
- by using MiKTeX Portable, you leave no traces on the host computer
- you do not need administrator privileges on the host computer

Download

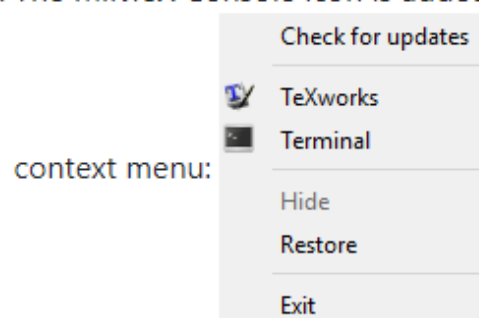
1. Download the installer (`basic-miktex-*.exe`)
2. Rename the installer to `miktex-portable.exe`

How to install

You install MiKTeX Portable by running the installer (`miktex-portable.exe`).

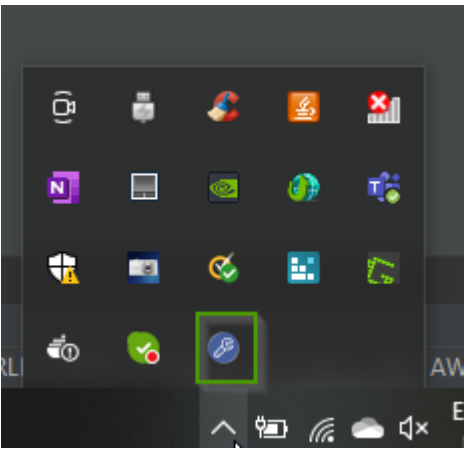
How to use the portable edition

1. Connect the portable storage device to a Windows (see [prerequisites](#)) computer.
2. Start Windows Explorer (Windows+E) and browse to the MiKTeX installation directory on the portable storage device.
3. Double click the Windows command script file named `miktex-portable`.
4. The MiKTeX Console icon is added to the notification area of the Windows Taskbar. By right-clicking the icon, you open a



5. It is recommended, that you update MiKTeX regularly in order to get the latest bug fixes and package updates.
6. Before disconnecting the portable storage device, you should exit MiKTeX Console by clicking the Exit command.

After running script:



2. TeXstudio

[Official Site](#)

Download

Windows

Platform	Version	Type	Size	How to install
10 (64 bit,Qt6)	4.1.1	Installer		download and double click on the installer exe
10 (64 bit,Qt5)	4.1.1	Installer		download and double click on the installer exe
10 (64 bit,Qt6)	4.1.1	Portable (.zip)		download and unzip the zip
10 (64 bit,Qt5)	4.1.1	Portable (.zip)		download and unzip the zip
7/8/10 (32 bit)	2.12.22.			see github releases

Notes TeXstudio needs MiKTeX to execute correctly. The best solution is to put MikTeX executables folder into the path.

2.1. Configuration file

3. Building documents

3.1. Examples of build commands

- Build file

```
pdflatex.exe -synctex=1 -interaction=nonstopmode "Notes on Data Structures and Algorithms".tex
```

- Run **bibtex**

```
bibtex "Notes on Data Structures and Algorithms"
```